

# INTEROFFICE MEMORANDUM

Date: June 09, 2005  
 To: Arthur L. Williams, Director  
 From: Arthur Chang, Technical Services Supervisor  
 Re: May 2005 FRM PM<sub>2.5</sub> Monitoring Update Report

This is a report of May 2005 Federal Reference Method PM<sub>2.5</sub> monthly averages, annual averages, 3-year annual design values, and year-to-year comparison data summaries. (These data are subject to further quality assurance and are not final.)

## May 2005

**Table 1. PM<sub>2.5</sub> Monthly Data Summary (µg/m<sup>3</sup>)**

	Daily Maximum	Daily Minimum		Monthly
<u>Site Name</u>	<u>Conc. &amp; Date</u>	<u>Conc. &amp; Date</u>	<u>Run Time</u>	<u>Average</u>
Southwick	28.5 (05/09)	5.2 (05/15)	90.3 %	14.7
Wyandotte	23.8 (05/06)	5.4 (05/15)	80.6 %	14.4
Barret	24.1 (05/07)	6.0 (05/28)	90.9 %	16.2
Watson	21.9 (05/22)	9.4 (05/28)	100.0 %	14.1
<b>Overall</b>				<b>14.9</b>

The 24-hour average standard is 65 µg/m<sup>3</sup>.

**Table 2. PM<sub>2.5</sub> Design Values and Year-to-Date Annual Mean Comparisons**

<u>Site Name</u>	<u>Annual Mean (ug/m<sup>3</sup>)</u>							Annual Design Values (1999-2001)	Annual Design Values (2000-2002)	Annual Design Values (2001-2003)	Annual Design Values (2002-2004)	Annual Design Values (2003-2005) <sup>3</sup>
	2005 Year-To-Date	2004	2003	2002	2001	2000	1999					
Southwick/ <i>Firearms Trn</i> <sup>1</sup>	14.3	14.6	15.4	17.2	17.1/ 18.7 <sup>1</sup>	17.3	17.5	N/A	N/A	N/A	15.7 <sup>2</sup>	~14.7 <sup>2</sup>
Wyandotte	14.1	14.1	15.2	17.5	17.7	16.7	16.9	17.1 <sup>2</sup>	17.3 <sup>2</sup>	16.8 <sup>2</sup>	15.6	~14.4
Barret	14.6	14.0	15.2	16.3	16.9	16.7	17.2	16.9	16.6	16.1	15.1	~14.6
Watson	13.9	12.7	15.1	15.3	16.3	16.8	15.2	16.1	16.1	15.5	14.3	~13.9

The annual average standard is 15.0 µg/m<sup>3</sup>.

<sup>1</sup> *Firearms Training* temporarily replaced Southwick Community Center monitoring during 2001, due to renovation. Twelve quarters of contiguous data are unavailable.

<sup>2</sup> Design value site for Louisville.

<sup>3</sup> Year-to-date data for 2005.